Library Construction Report

This report covers the period up to July 30, 2017 .

Work began on the footings on July 8th. There was a delay in getting footings poured due to the fact that the concrete contractor was ready to pour footings, before the "shop drawings" for the rebar reinforcement were complete and reviewed by the structural engineer. The shop drawings were prioritized in order of need, so that the footings could be done first followed by the elevator pit and the walls and other areas.

Largely, the work during the period of the 7th – 30th has focused on the footings and foundation.

The building envelope subcontractor made a suggested change to the structure that connected the exterior deck to the front of the building.

His suggestion was to provide better moisture separation and would require less steel to be used and the steel that would be used, would be used more effectively. However, this meant a change to the column structure and underlying footings. These amended drawings were slow to get revised and back to the builder.

This slowed down the concrete contractor who was forced to leave the site for a few days. Show is photo of the area of the changes to the structure showing the column footings and front wall footings.

This photo shows the north end of the library wall footings as well as the elevator pit. There was a great deal of discussion about the elevator pit, the proper waterproofing method and the drainage under the pit itself.

Originally planned was a drainage line and crushed stone around the pit. Initially, the builder questioned the need for this because of the sump and the waterproofing, however as we discovered, there was a spring inder the pit and this is necessary and was installed and is removing water caused by the spring now and is connected into the underdrain system.

There is also a sump in the pit itself to remove any water that might get into the pit. Mary Beth has Identified a potential issue she faced with a simular sump in the construction of the Elementry School. Because the sump could contain hydrolic fluid from the elevator it cannot be drained into the drainge system and needs to be drained into the sewer sysem. Because of this it needs a trap to collect any oil before it gets into the sewer. In addition we have to work out the question of possible unmetered water. The issue is being worked on with Scott at the present time.

The final pour of the footings took place on July 30th without problem.

This completes the work on the footings and work will begin on the walls with an expected first pour on August 12th. Not on the 8th as originally thought.

This delay is necesssitated by the delivery of “hold downs” that are spec’d out in the drawings. Originally the builder thought that he could fabricate these locally to save time, however the testing to make sure that they met the specifications would ultimately take longer delivery of the ones specified.

Final pour of the front wall footings.

Final pour of the footings.